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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/817,102	03/26/2001	Rabindranath Dutta	AUS920010044US1	7737

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EXAMINER	
ZIA, SYED	
ART UNIT	**PAPER NUMBER**
2131	

DATE MAILED: 06/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/817,102	DUTTA ET AL.	
	Examiner	Art Unit	
	Syed Zia	2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 March 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-38* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-38* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

This office action is in response to application filed on March 26, 2001. Original application contained Claims 1-38. Therefore, Claims 1-38 are pending for consideration.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 9, and 12 are rejected as the claimed invention is directed to non-statutory subject matter. Mere "generating the source/executable code" are not enough to be physical limitation

Claim Rejections - 35 USC § 102

> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claim 1-38 is rejected under 35 U.S.C. 102(e) as being anticipated by Gladney et al. (U. S. Patent 6,044,373).

2. Regarding Claim 1 Gladney teaches a process for restricting access an object-oriented method within a data processing system, the process (Fig.1-3, 9) comprising:

initiating a call to the object-oriented method from a requester (col.9 line 61 to col.10 line 5);

determining whether an invocation of the object-oriented method has been restricted with an object-oriented enforcement construct (col.10 line 6 to col.10 line 20);

in response to a determination that access the object-oriented method has been restricted with an object-oriented enforcement construct, performing an authorization process to determine whether the requester is authorized to invoke the object-oriented method (col.10 line 21 to line 42); and

in response a determination that the requester is authorized to invoke the object-oriented method, invoking the object-oriented method (col.11 line 35 to col.11 line 65).

3. Regarding Claim 9 Gladney teach a process of generating source code for restricting access to an object-oriented method within a data processing system (Fig.1-3, 9), the process comprising:

editing a source code statement that defines object-oriented method within a source code file (col.18 line 34 to line 44); and

modifying the source code file to include an enforcement construct, wherein the enforcement construct comprises an authorization process identifier associated with an authorization process and a reserved word to be recognized by a compiler as requiring runtime execution of the authorization process, prior to invoking the object-oriented

method, to determine whether an entity is authorized to invoke the object-oriented method (col.3 line 41 to line 60).

4. Regarding Claim 12 Gladney teach a process of generating executable code for restricting access to an object-oriented method within data processing system, the process comprising:

compiling source code that defines the object-oriented method within a source code file (col.18 line 34 to line 44); and

compiling source code that defines an enforcement construct, wherein the enforcement construct comprises an authorization process identifier associated with an authorization process and a reserved word to be recognized by compiler as requiring runtime execution of the authorization process, prior invoking the object-oriented method, to determine whether an entity is authorized to invoke the object-oriented method (col.3 line 41 to line 60).

5. Regarding Claim 15 Gladney teach a process of restricting invocation of an object-oriented method within a data processing system, the process comprising:

identifying the object-oriented method within a data structure (col.9 line 61 to col.10 line 5); and

associating an object-oriented enforcement construct with the object-oriented method, wherein the enforcement construct comprises an authorization process identifier associated with an authorization process that is to be executed, prior to invoking the

object-oriented method, to determine whether an entity is authorized to invoke the object-oriented method (col.10 line 6 to line 42, and col.11 line 35 to col.11 line 65).

6. Regarding Claim 16 Gladney teach a computer program product in a computer-readable medium for use within a data processing system for restricting access to an object-oriented method, the computer program product (Fgi.1-3, and 9, col.18 line 34 to line 44) comprising:

instructions for initiating a call to the object-oriented method from a requester (col.9 line 61 to col.10 line 5);

instructions for determining whether an invocation of the object-oriented method has been restricted with an object-oriented enforcement construct (col.10 line 6 to col.10 line 20);

instructions for performing, in response to a determination that access to the object-oriented method has been restricted with an object-oriented enforcement construct, an authorization process to determine whether the requester is authorized to invoke the object-oriented method (col.10 line 21 to line 42); and

instructions for invoking, in response to a determination that the requester is authorized to invoke the object-oriented method, the object-oriented method (col.11 line 35 to col.11 line 65).

7. Regarding Claim 24 Gladney teach a computer program product in a computer-readable medium for use within a data processing system to generate source code for

restricting access to an object-oriented method, the computer program product (Fgi.1-3, and 9, col.18 line 34 to line 44) comprising:

instructions for editing a source code statement that defines the object-oriented method within a source code file (col.9 line 61 to col.10 line 5); and

instructions for modifying the source code file to include an enforcement construct, wherein the enforcement construct comprises an authorization process identifier associated with an authorization process and a reserved word to be recognized by compiler as requiring runtime execution of the authorization process, prior to invoking the object-oriented method, to determine whether an entity is authorized invoke the object-oriented method (col.10 line 6 to line 42, and col.11 line 35 to col.11 line 65).

8. Regarding Claim 27 Gladney teach a computer program product a computer-readable medium for use within a data processing system to generate executable code for restricting access an object-oriented method, the computer program product (Fgi.1-3, and 9, col.18 line 34 to line 44) comprising:

instructions for compiling source code that defines the object-oriented method within a source code file (col.9 line 61 to col.10 line 5); and

instructions for compiling source code that defines an enforcement construct, wherein the enforcement construct comprises an authorization process identifier associated with an authorization process and a reserved word to be recognized by a compiler as requiring runtime execution of the authorization process, prior to invoking the object-oriented method, to determine whether an entity is authorized to invoke the object-oriented method (col.10 line 6 to line 42, and col.11 line 35 to col.11 line 65).

9. Regarding Claim 30 Gladney teach a computer program product in a computer-readable medium for use within a data processing system for restricting invocation of an object-oriented method, the computer program product (Fgi.1-3, and 9, col.18 line 34 to line 44) comprising:

instructions for identifying the object-oriented method within a data structure (col.9 line 61 to col.10 line 5); and

instructions for associating an object-oriented enforcement construct with the object-oriented method, wherein the enforcement construct comprises an authorization process identifier associated with an authorization process that is to be executed, prior to invoking the object-oriented method, to determine whether an entity is authorized to invoke the object-oriented method (col.10 line 6 to line 42, and col.11 line 35 to col.11 line 65).

10. Regarding Claim 31 Gladney teach an apparatus for restricting access an object-oriented method within a data processing system, the apparatus (Fgi.1-3, and 9) comprising:

means for initiating a call to the object-oriented method from a requester (col.9 line 61 to col.10 line 5);

means for determining whether an invocation of the object-oriented method has been restricted with an object-oriented enforcement construct (col.10 line 6 to col.10 line 20);

means for performing, in response to a determination that access to the object-oriented method has been restricted with an object-oriented enforcement construct, an authorization process to determine whether the requester is authorized to invoke the object-oriented method (col.10 line 21 to line 42); and

means for invoking, in response to a determination that the requester is authorized to invoke the object-oriented method, the object-oriented method (col.11 line 35 to col.11 line 65).

5. Claims 2-8, 10-11, 13-14, 17-23, 25-26, 28-29, and 32-38 are rejected applied as above in rejecting Claims 1, 9, 12, 16, 24, 27, and 31. Furthermore, the system of Gladney teaches and describes an object-oriented access control method for protected elements (Fig.1-10), comprising:

As per Claim 2, 17, and 32 in response to a determination that the requester is not authorized to invoke the object-oriented method, returning an error response to the requester for the call to the object-oriented method (col.11 line 43 to line 47).

As per Claim 3, 18, and 33 identifying the authorization process that is associated with the object-oriented method (col.7 line 47 to line 56).

As per Claim 4, 19, and 34 obtaining identity information associated with the requester; and passing the identity information associated with the requester to the authorization process (col.13 line 57 to col.14 line 21).

As per Claim 5, 20, and 35 the authorization process is performed by invoking an authorization method (col.14 line 9 to line 21).

As per Claim 6, 21, and 36 analyzing runtime environment information in order to determine whether an invocation of the object-oriented method has been restricted with an object-oriented enforcement construct (col.3 line 41 to line 60).

As per Claim 7, 22, and 37 the invocation of the object-oriented method has been restricted with an object-oriented enforcement construct applied at a method level in a source code statement for the object-oriented method (col.8 line 19 to line 50).

As per Claim 8, 23, and 38 the invocation of the object-oriented method has been restricted with an object-oriented enforcement construct applied at a class level a source code statement for a class that includes the object-oriented method (col.9 line 11 to line 27).

As per Claim 10, 13, 25, and 28 the enforcement construct is included in a source code statement that defines the object-oriented method (Fig.3, abstract).

As per Claim 11, 14, 26, and 29 the enforcement construct is included in a source code statement that defines a class that includes the object-oriented method (Fig.3, abstract).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 571-272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SZ
June 19, 2005